PATENT COOPERATION TREATY

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter I of the Patent Cooperation Treaty)

(PCT Rule 44bis)

Applicant's or agent's file reference 1001-02	FOR FURTHER ACTION	See item 4 below	
International application No. PCT/US2005/037031	International filing date (day/month/year) 14 October 2005 (14.10.2005)	Priority date (day/month/year) 14 October 2004 (14.10.2004)	
International Patent Classification (8th See relevant information in Form P	edition unless older edition indicated)		
Applicant CROSSMAN, Arthur, W.			

1.	This international preliminary international Searching Author		apter I) is issued by the International Bureau on behalf of the	
2.	This REPORT consists of a tot	al of 4 sheets, including th	is cover sheet.	
	In the attached sheets, any refe to the international preliminary		n of the International Searching Authority should be read as a reference hapter I) instead.	
3.	This report contains indications	relating to the following	items:	
	Β ολ Νο. 1	Basis of the report		
	Box No. II	Priority		
	Box No. III	Non-establishment of applicability	opinion with regard to novelty, inventive step and industrial	
	Box No. IV	Lack of unity of inver	ntion .	
	Box No. V		nder Article 35(2) with regard to novelty, inventive step or industrial sand explanations supporting such statement	
	Box No. VI	Certain documents cit	ed	
	Box No. VII	Certain defects in the	international application	
	Box No. VIII	Certain observations on the international application		
4.			designated Offices in accordance with Rules 44his.3(c) and 93his.1 but under Article 23(2), before the expiration of 30 months from the priority	
			Date of issuance of this report	
			17 April 2007 (17.04.2007) Authorized officer	
	The International Bur 34, chemin des Co 1211 Geneva 20, S	lombettes	Yolaine Cussac	
Faccia	Progrimila No. : 41.22.238.92.70			

Form PCT/IB/373 (January 2004)

PATENT COOPERATION TREATY

rom the VTERNATIONAL SEARCHING AUTHORITY		
To: ROBERT J. DECKER		PCT
2679 TEAKWOOD DRIVE CHARLOTTESVILLE, VA 22911	WR INTERNATIO	ITTEN OPINION OF THE DNAL SEARCHING AUTHORITY
		(PCT Rule 43bis.1)
	Date of mailing (day/month/year)	03 APR 2006
Applicant's or agent's file reference	FOR FURTHER	ACTION See paragraph 2 below
1001-02		
International application No. Internation	nal filing date (day/month/year)	Priority date (day/month/year)
	er 2005 (14.10.2005)	14 October 2004 (14.10.2004)
International Patent Classification (IPC) or both nation	onal classification and IPC	
IPC: A61M 29/00(2006.01) USPC: 604/96.01		
Applicant		
CROSSMAN, ARTHUR W	_	
1. This opinion contains indications relating to the	following items:	
Box No. I Basis of the opinion		
Box No. II Priority		A CONTRACT VICENSE
Box No. III Non-establishment of o	ppinion with regard to novelty, inve	ntive step and industrial applicability
Box No. IV Lack of unity of invent	tion	
Box No. V Reasoned statement un applicability; citations	nder Rule 43bis.1(a)(i) with regard t and explanations supporting such s	o novelty, inventive step or industrial tatement
Box No. VI Certain documents cite	ed	
Box No. VII Certain defects in the i	international application	
Box No. VIII Certain observations of	n the international application	
2. FURTHER ACTION If a demand for international preliminary examinational Preliminary Examining Authority Authority other than this one to be the IPEA a that written opinions of this International Search	ty ("IPEA") except that this does and the chosen IPEA has notified the	the International Bureau under Rule 66.1 bis(b)
If this opinion is, as provided above, consider IPEA a written reply together, where appropris of Form PCT/ISA/220 or before the expiration	ate with amendments, before the c	xpiration of 3 months from the date of maning
For further options, see Form PCT/ISA/220.		
3. For further details, see notes to Form PCT/ISA/	·	
t tuitte and manning accurate	Date of completion of this opinion	Authorized officer
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450	06 March 2006 (06.03.2006)	Manuel Mender hurur I / Mend
Alexandria, Virginia 223 l 3-1450		Telephone No. 703-000-000

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)

International application No.
PCT/US05/37031

Box No. I Basis of this opinion
I. With regard to the language, this opinion has been established on the basis of: the international application in the language in which it was filed a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
2. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material a sequence listing table(s) related to the sequence listing
b. format of material on paper in electronic form
c. time of filing/furnishing contained in the international application as filed. filed together with the international application in electronic form. furnished subsequently to this Authority for the purposes of search.
In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

Form PCT/ISA/237(Box No. I) (April 2005)

International application No. PCT/US05/37031

Box No. V Reasoned statement under Rule 43 bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
1. Statement	_			
Novelty (N)	Claims 1-5	7	YES	
,,	Claims NO		NO	
Inventive step (IS)	Claims 1-5	7	YES	
inventive step (15)	Claims NO			
Industrial applicability (IA)	Claims 1-5	7	YES	
industrial approachity (111)		NE		
	\$			
 Citations and explanations: Claims 1-57 meet the criteria set out in PCT Article shape having a blunt shape adapted to avoid or miti Claims 1-57 meet the criteria set out in PCT Article 	gate trauma with an	ostium of the vasculature.		
be made or used in industry.	(-),		-	
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Form PCT/ISA/237 (Box No. V) (April 2005)

PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHIN	IG AUTHORITY				
To: ROBERT J. DECKER 2679 TEAKWOOD DRIVE			PCT		
CHARLOTTESVILLE, VA 2	2911			TTEN OPINION OF THE NAL SEARCHING AUTHORIT	Υ
				(PCT Rule 43bis.1)	
			Date of mailing (day/month/year)	03 APR 2006	
Applicant's or agent's file refer	rence		FOR FURTHER A	CTION See paragraph 2 below	
International application No.	Internation	onal filing date	(day/month/year)	Priority date (day/month/year)	
PCT/US05/37031	14 Octob	per 2005 (14.10.	2005)	14 October 2004 (14.10.2004)	
International Patent Classificati					
IPC: A61M 29/00(2006.0					
USPC: 604/96.01	·			<u></u>	
Applicant					ŀ
CROSSMAN, ARTHUR W					
1. This opinion contains indi	cations relating to the	e following item	ns:		
Box No. I	Basis of the opinion				
Box No. II P	Priority				
·	•	opinion with re	gard to novelty, inven	tive step and industrial applicability	
	Lack of unity of inver				
Box No. V	Reasoned statement u	inder Rule 43 <i>bis</i> s and explanatio	s.1(a)(i) with regard to ons supporting such sta	novelty, inventive step or industrial stement	
Box No. VI	Certain documents cit	ted			
Box No. VII	Certain defects in the	international ap	plication		
Box No. VIII	Certain observations	on the internatio	onal application		
2. FURTHER ACTION		•		•	
If a demand for international	Examining Author one to be the IPEA	ity ("IPEA") e and the chosen	xcept that this does IPEA has notified th	be considered to be a written opinion of not apply where the applicant choose e International Bureau under Rule 66.14 red.	es an [
IPEA a written reply toge of Form PCT/ISA/220 or	ether, where appropri before the expiration	iate, with amen-	dments, before the ex	EA, the applicant is invited to submit to piration of 3 months from the date of mathematical expires later.	to the ailing
For further options, see Fe	orm PCT/ISA/220.				
3. For further details, see no	tes to Form PCT/ISA	√220.			,
Name and mailing address of	the ISA/ US	Date of compl	letion of this opinion	Authorized officer	7
Mail Stop PCT, Attn: I Commissioner for Pate	ISA/US		6 (06.03.2006)	Manuel Mender Manuel	Mend
P.O. Box 1450 Alexandria, Virginia 2				Telephone No. 703-000-000	

Facsimile No. (571) 273-3201
Form PCT/ISA/237 (cover sheet) (April 2005)

International application No.		
PCT/US05/37031		

Box No. I Basis of this opinion
1. With regard to the language, this opinion has been established on the basis of:
the international application in the language in which it was filed
a translation of the international application into, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).
 With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
a. type of material
a sequence listing
table(s) related to the sequence listing
b. format of material
on paper
in electronic form
c. time of filing/furnishing
contained in the international application as filed.
filed together with the international application in electronic form.
furnished subsequently to this Authority for the purposes of search.
In addition, in the case that more than one version or copy of a sequence listing and/or table(s) relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:
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Form PCT/ISA/237(Box No. I) (April 2005)

Form PCT/ISA/237 (Box No. V) (April 2005)

International application No. PCT/US05/37031

applicability; citations and expla	nations supporting such state	novelty, inventive step or in ement	
Statement			
Novelty (N)	Claims <u>1-57</u>		YES
	Claims NONE	· · · · · · · · · · · · · · · · · · ·	NО
Inventive step (IS)	Claims 1-57		YE
			NO
Industrial applicability (IA)	Claims 1-57	·	YE
machina approach, (cos)			NO
tims 1-57 meet the criteria set out in PCT Article pe having a blunt shape adapted to avoid or miti tims 1-57 meet the criteria set out in PCT Article made or used in industry.	gate trauma with an ostium of the	vasculature.	
made of used in industry.			
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